

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001
Agency Interest No. 2432

Mr. Stephen M. Carter
Vice President – Regulated Generation
Cleco Power, LLC
2030 Donahue Ferry Road
Pineville, LA 71361

RE: Part 70 Operating Permit Modification, CLECO Power, LLC
Teche Power Station, Baldwin, St. Mary Parish, Louisiana

Dear Mr. Stephen M. Carter:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 2660-00007-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:slp
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana**

I. Background

Cleco Power, LLC - Teche Power Station, an existing electric utility power station, began operation in the early 1950's. Teche Power Station currently operates under Permit No. 2660-00007-V0, issued March 24, 2006.

This is the Part 70 operating permit modification for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Cleco Power, LLC on October 8, 2008 requesting a Part 70 operating permit modification. Additional information dated October 17, 2008 and March 26, 2009 was also received.

III. Description

Teche Power Station operates three electric utility units. Units 1 and 2, both installed in the 1950's, are natural gas-fired boiler turbine systems of 23 MW and 48 MW capacities respectively. Unit 3 is a 359 MW boiler/turbine system installed in 1971 which can be fired with natural gas, No. 2 fuel oil, or No. 4 fuel oil. Additional emission sources at the facility include tanks for storage of fuel oil and cooling towers. This facility also has three natural gas separators that vent to a condensate tank. However, the separators do not directly emit any pollutants. The condensate tank is owned and operated by a separate company.

With this application, Cleco Power, LLC proposes the addition of one natural gas-fired combustion turbine and one diesel internal combustion engine. The turbine will be a General Electric (GE) Frame 6 combustion turbine with an output of 35 MW (name plate rating). The diesel engine will be a 600 horsepower (hp) Detroit engine which will be used to spin-start the turbine.

Estimated emissions in tons per year (TPY) are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	553.33	559.99	+ 6.66
SO ₂	11,844.11	11,846.39	+ 2.28
NO _x	6,278.70	6,317.76	+ 39.06
CO	1,518.80	1,618.59	+ 99.79
VOC *	105.09	111.44	+ 6.35

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

*VOC LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions TPY	Non-VOC LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions TPY
Acetaldehyde	0.121	1,1,1-Trichloroethane	0.025
Acrolein	0.004	Antimony (and compounds)	0.588
Benzene	0.045	Arsenic (and compounds)	0.401
Chlorinated dibenzo-p-dioxins	< 0.00000001	Barium (and compounds)	1.353
Chlorinated dibenzofurans	< 0.00000001	Beryllium (Table 51.1)	0.058
Dichlorobenzene	0.021	Cadmium (and compounds)	0.154
Ethylbenzene	0.025	Chromium VI (and compounds)	3.805
Formaldehyde	4.579	Cobalt compounds	1.275
n-Hexane	32.533	Copper (and compounds)	2.297
Naphthalene	0.123	Hydrochloric acid	37.800
Propylene oxide	0.016	Hydrogen fluoride	1.810
PAH	0.488	Lead compounds	1.266
Toluene	0.778	Manganese (and compounds)	0.322
Xylene	0.036	Mercury (and compounds)	0.046
		Nickel (and compounds)	26.809
		Selenium (and compounds)	0.336
		Zinc (and compounds)	3.191
Total TAP's	120.305		
Total VOC TAP's	38.769		
Total non-VOC TAP's	81.536		

Other VOC (TPY): 72.67

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Emissions of n-Hexane (Class III) and Nickel (and compounds) (Class I) are above the major source threshold. Emissions of n-Hexane result from the combustion of natural gas, which is a Group 1 virgin fossil fuel, and are exempted from Maximum Achievable Control Technology (MACT) per LAC 33:III.5105.B.3.a. Emissions of Nickel (and compounds) result from the combustion of Group 2 virgin fossil fuels, and are exempted from Maximum Achievable Control Technology (MACT) per LAC 33:III.5105.B.3.b., due to the fact that the emissions are

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana**

vented from a stack that has downwash minimization stack height. Per LAC 33:III.5105.B.2, electric utility steam generating units are exempt from the requirements of LAC 33:III.Chapter 51, Subchapter A.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

Work Activity	Schedule	Chromium VI	Emission Rates - tons			
			Copper	Magnesium	Nickel	Zinc
Boiler Cleaning	Once every 3-5 years	< 0.013	< 0.013	0.009	< 0.013	< 0.100

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

IX. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	T3 Main Lube Oil Tank (5,000 gallons)	LAC 33:III.501.B.5.A.3
-	T3 Reserve Lube Oil Tank (8,000 gallons)	LAC 33:III.501.B.5.A.3
-	T3 TDBFP (600 gallons)	LAC 33:III.501.B.5.A.3
-	T2 Main Lube Oil Tank (2,480 gallons)	LAC 33:III.501.B.5.A.3
-	T2 Reserve Lube Oil Tank (3,000 gallons)	LAC 33:III.501.B.5.A.3
-	T1 Main Lube Oil Tank (1,200 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 1 Lube Oil Storage Area (495 gallons)	LAC 33:III.501.B.5.A.3
-	Portable Gasoline Tank (1,000 gallons)	LAC 33:III.501.B.5.A.8
-	Portable Gasoline Tank (500 gallons)	LAC 33:III.501.B.5.A.8
-	Units 1 & 2 Oil/Water Separator (2,990 cubic	LAC 33:III.501.B.5.D
-	Unit 3 Oil/Water Separator (2,898 cubic feet)	LAC 33:III.501.B.5.D
-	Unit 1 Natural Gas-Fired Fire Pump Engine	LAC 33:III.501.B.5.D
-	Water Treatment Emissions (2,120,000 lb/yr)	LAC 33:III.501.B.5.D

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter									
UNF1	Teche Power Station	5▲	9	11	13	15	2103	2104*	2107	2113	2115
EQT 1	1-96 – Unit 1 Boiler	1	1	1							1
EQT 2	2-96 – Unit 2 Boiler	1	1	1	3						
EQT 3	3-96 – Unit 3 Boiler	1	1	1	3						
EQT 4	4-96 – Fuel Oil Tank 1					3					
EQT 5	5-96 – Fuel Oil Tank 2						3				
EQT 6	6-96 – Fuel Oil Tank 3							3			
EQT 10	CLT-01 – Cooling Tower 1								1		
EQT 11	CLT-02 – Cooling Tower 2								1		
EQT 12	CLT-03 – Cooling Tower 3								1		
EQT 13	E-01 – Black Start Engine								1	1	3
EQT 14	CT-01 – Black Start Turbine								1	1	3

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 63						40 CFR					
		A	K	D	Db	GG	KKKK	III	A	YYYY	ZZZZ	72	73	75	77	78			
UNF1	Teche Power Station	1										1	1	1	1	1	1	1	
EQT 1	1-96 – Unit 1 Boiler											3							
EQT 2	2-96 – Unit 2 Boiler											3							
EQT 3	3-96 – Unit 3 Boiler											3							
EQT 4	4-96 – Fuel Oil Tank 1											3							
EQT 5	5-96 – Fuel Oil Tank 2											3							
EQT 6	6-96 – Fuel Oil Tank 3											3							
EQT 10	CLT-01 – Cooling Tower 1																		
EQT 11	CLT-02 – Cooling Tower 2																		
EQT 12	CLT-03 – Cooling Tower 3																		
EQT 13	E-01 – Black Start Engine												3						
EQT 14	CT-01 – Black Start Turbine											2	1		2				

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 1, EQT 2, EQT 13, and EQT 14	Emission Standards for Sulfur Dioxide [LAC 33.III. Chapter 15]	DOES NOT APPLY. Source emits less than 5 tpy of SO ₂ . [LAC 33:III.1502.A.3]
EQT 1, EQT 2, and EQT 3	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 [40 CFR 60 Subpart D]	DOES NOT APPLY. Construction was commenced prior to August 17, 1971. [40 CFR 60.110(c)]
EQT4, EQT 5, and EQT 6	NSPS Subpart K – Standards of Performance for Storage Vessels for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	DOES NOT APPLY. Storage tank does not store petroleum liquids. [40 CFR 60.110(a)]
EQT 1, EQT 2, EQT 3, and EQT 14	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33.III. Chapter 51]	EXEMPT. Electric utility steam-generating units are exempt from the requirements of Chapter 51 in accordance with LAC 33:III.5105.B.2
EQT 13	NSPS Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	DOES NOT APPLY. The stationary combustion ignition internal combustion engine has not been modified or reconstructed after July 11, 2005. [40 CFR 63.4200(a)(3)]
EQT 14	NSPS Subpart GG – Standards of Performance for Stationary Gas Turbines[40 CFR 60.330]	EXEMPT. Stationary combustion turbines regulated under 40 CFR 60 Subpart KKKK are exempt from the requirements of Subpart GG of this part.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Teche Power Station
Agency Interest No.: 2432
CLECO Power LLC
Baldwin, St. Mary Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 13	NESHAP Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR 63.6580]	Existing compression ignition sources do not have to meet the requirements of this subpart and no initial notification is necessary.
EQT 14	NESHAP Subpart YYYY – National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines [40 CFR 63.6080]	On April 7, 2004, EPA published a proposal to “delist” gas-fired turbines from the source categories subject to the standard. Along with the proposed delisting, EPA also proposed a “Stay of Enforcement” of the provisions of the rule for gas-fired turbines. The Stay of Enforcement was published on August 14, 2004, and remains in effect at the time of the application submittal.

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

AI ID: 2432 CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-000-007-V1
 Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	2660-000007	CLECO Power LLC - Teche Power Station	CDS Number	05-27-1993
LAD056522667		CLECO Power LLC - Teche Power Station	Hazardous Waste Notification	08-13-1980
LA0002887		LPDES #	LPDES Permit #	05-22-2003
LAR05NG24		LPDES #	LPDES Permit #	04-28-2005
WP1820		WPC State Permit Number	LWDP S Permit #	06-25-2003
2432		ORIS Code	ORIS Code	09-16-2008
GD-101-0377		Site ID #	Solid Waste Facility No.	11-21-1999
12004		CLECO Corp - Proposed Acadia Power Station	TEMPO Merge	05-27-2004
17006		CLECO	TEMPO Merge	09-16-2001
19868		CLECO Corp - Teche Power Station	TEMPO Merge	03-07-2001
3830		Central LA Electrical - Teche	TEMPO Merge	09-16-2001
70514TCHPW237NE		TRI #	Toxic Release Inventory	07-08-2004
Physical Location:		237 Newman St Baldwin, LA 70514	Main Phone:	3379245511
Mailing Address:		PO Box 300 Baldwin, LA 705145000		
Location of Front Gate:		29.823333 latitude, -91.541667 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Steve Carter	PO Box 5000 Pineville, LA 71361-5000	3184847497 (WF)	Responsible Official for
	Steve Carter	PO Box 5000 Pineville, LA 71361-5000	3184847707 (WP)	Responsible Official for
	Brent Croom	PO Box 5000 Pineville, LA 71361-5000	3184847742 (WP)	Water Permit Contact For
	Brent Croom	PO Box 5000 Pineville, LA 71361-5000	3184847397 (WF)	Water Permit Contact For
	Michael Flynn	237 Newman St Baldwin, LA 70514	3379245511 (WP)	Waste Tires Contact for
	Michael Flynn	237 Newman St Baldwin, LA 70514	MIKE.FLYNN@CLEC	Waste Tires Contact for
	Robert Knott	PO Box 5000 Pineville, LA 71361-5000	3184847397 (WF)	Air Permit Contact For
	Robert Knott	PO Box 5000 Pineville, LA 71361-5000	3184847664 (WP)	Air Permit Contact For
	Robin B. McQuillin	PO Box 5000 Pineville, LA 71361-5000	3184847616 (WP)	Emission Inventory Contact for
	Robin B. McQuillin	PO Box 5000 Pineville, LA 71361-5000	ROBIN.MCQUILLIN@	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
CLECO Corp - Environmental Services	Environmental Manager PGO6	Pineville, LA 713615000	Air Billing Party for	
CLECO Corp - Environmental Services	Environmental Manager PGO6	Pineville, LA 713615000	Water Billing Party for	

General Information**AI ID: 2432 CLECO Power LLC - Teche Power Station****Activity Number: PER20080001****Permit Number: 2660-00007-V1****Air - Title V Regular Permit Minor Mod**

Related Organizations:	Name	Address	Phone (Type)	Relationship
CLECO Corp - Environmental Services	Environmental Manager PG06 Pineville, LA 713615000			Haz. Waste Billing Party for
Depl	Environmental Manager PG06 Pineville, LA 713615000	318-484-7400 (W	Owes	
CLECO Power LLC	Environmental Manager PG06 Pineville, LA 713615000	318-484-7400 (W	Operates	
CLECO Power LLC	Environmental Manager PG06 Pineville, LA 713615000	318-484-7400 (W	Emission Inventory Billing Party	
CLECO Power LLC	Environmental Manager PG06 Pineville, LA 713615000	318-484-7400 (W		

NAIC Codes: 22111, Electric Power Generation

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Millam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-00007-V1
 Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Teche Power Station						
EQT 0001	1-96 - Unit 1 Boiler		329 MM BTU/hr	274 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0002	2-96 - Unit 2 Boiler		650 MM BTU/hr	540 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0003	3-96 - Unit 3 Boiler		4074 MM BTU/hr	3395 MM BTU/hr	Natural Gas, No. 2 Fuel Oil, No. 4 Fuel Oil	8760 hr/yr
EQT 0004	4-96 - Fuel Oil Tank 1	2.31 million gallons		8905 gallons/hr		8760 hr/yr
EQT 0005	5-96 - Fuel Oil Tank 2	2.31 million gallons		8905 gallons/hr		8760 hr/yr
EQT 0006	6-96 - Fuel Oil Tank 3	2.31 million gallons		8905 gallons/hr		8760 hr/yr
EQT 0010	CLT-01 - Cooling Tower 1			4000 gallons/min		8760 hr/yr
EQT 0011	CLT-02 - Cooling Tower 2			4000 gallons/min		8760 hr/yr
EQT 0012	CLT-03 - Cooling Tower 3			4000 gallons/min		8760 hr/yr
EQT 0013	E-01 - Black Start Engine		600 horsepower	600 horsepower	Diesel	250 hr/yr
EQT 0014	CT-01 - Black Start Turbine			449.41 MM BTU/hr	Natural Gas	2500 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Teche Power Station							
EQT 0001	1-96 - Unit 1 Boiler	70.2	109419	5.7	76.6	350	
EQT 0002	2-96 - Unit 2 Boiler	82	163705	6.5	105.2	257	
EQT 0003	3-96 - Unit 3 Boiler	68.2	983376	17.5	164	260	
EQT 0013	E-01 - Black Start Engine	28.45	1350	1	18	950	
EOT 0014	CT-01 - Black Start Turbine	56.8	267670	10	70	200	

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
GRP 0004	Equipment Group	- Acid Rain Requirements
UNF 0001	Unit or Facility Wide	UNF001 - Teche Power Station

Group Membership:

ID	Description	Member of Groups
EQT 0002	2-96 - Unit 2 Boiler	GRP0000000004
EQT 0003	3-96 - Unit 3 Boiler	GRP0000000004

INVENTORIES

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2680-00007-V1
 Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1420	1420 C) Electric Power Gen. (Natural Gas Fired) (Rated Capacity)	465	MW

SIC Codes:

4911	Electric services	AI 2432
4911	Electric services	UNF 001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station

Activity Number: PER20080001

Permit Number: 2660-00007-V1

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year									
Teche Power Station												
EQT 0001 1-96	22.60	27.10	98.90	75.20	90.30	329.40	2.06	2.47	9.00	0.16	0.19	0.71
EQT 0002 2-96	44.50	53.60	194.90	148.20	395.40	649.30	4.05	4.98	17.70	0.32	0.38	1.40
EQT 0003 3-96	280.00	336.00	1225.00	1860.00	2322.00	5300.00	120.00	144.00	526.00	2704.00	3244.00	11842.00
EQT 0004 4-96												
EQT 0005 5-96												
EQT 0006 6-96												
EQT 0010 C1-01							0.05	0.07	0.21			
EQT 0011 C1-02							0.05	0.07	0.21			
EQT 0012 C1-03							0.05	0.07	0.21			
EQT 0013 E-01	2.050	2.460	0.256	26.112	31.334	3.264	0.276	0.333	0.035	2.302	2.762	0.288
EQT 0014 CT-01	112.30	132.00	99.54	43.34	59.40	35.79	8.04	11.04	6.63	2.15	2.28	1.99

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 2432 - CLECO Power LLC - Teche Power Station****Activity Number: PER20080001****Permit Number: 2660-00007-V1****Air - Title V Regular Permit Minor Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 1-96	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	0.001	0.001	0.005
	Benzene	0.001	0.001	0.002
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	0.001
	Chlorinated Dibenzo-P-Dioxins	<0.00000001	<0.00000001	<0.00000001
	Chlorinated dibenzofurans	<0.00000001	<0.00000001	<0.00000001
	Chromium VI (and compounds)	<0.001	0.001	0.002
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	0.001
	Dichlorobenzene	<0.001	<0.001	0.001
	Formaldehyde	0.048	0.058	0.210
	Lead compounds	<0.001	<0.001	0.001
	Manganese (and compounds)	<0.001	<0.001	0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Naphthalene	<0.001	<0.001	0.001
	Nickel (and compounds)	0.001	0.001	0.003
	Polynuclear Aromatic Hydrocarbons	<0.001	<0.001	0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Toluene	0.003	0.003	0.012
	Zinc (and compounds)	0.008	0.009	0.034
	n-Hexane	0.484	0.581	2.118
EQT 0002 2-96	Arsenic (and compounds)	<0.001	<0.001	0.001
	Barium (and compounds)	0.002	0.003	0.010
	Benzene	0.001	0.001	0.005
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	0.001	0.001	0.003
	Chlorinated Dibenzo-P-Dioxins	<0.00000001	<0.00000001	<0.00000001
	Chlorinated dibenzofurans	<0.00000001	<0.00000001	<0.00000001
	Chromium VI (and compounds)	0.001	0.001	0.003
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	0.001	0.001	0.002
	Dichlorobenzene	0.001	0.001	0.003

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-00007-V1
 Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 2-96	Formaldehyde	0.095	0.114	0.410
	Lead compounds	<0.001	<0.001	0.001
	Manganese (and compounds)	<0.001	<0.001	0.001
	Mercury (and compounds)	<0.001	<0.001	0.001
	Naphthalene	<0.001	<0.001	0.001
	Nickel (and compounds)	0.001	0.002	0.006
	Polynuclear Aromatic Hydrocarbons	<0.001	<0.001	0.002
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Toluene	0.005	0.007	0.024
	Zinc (and compounds)	0.015	0.018	0.067
EQT 0003 3-96	n-Hexane	0.953	1.147	4.174
	1,1,1-Trichloroethane	0.006	0.007	0.025
	Acetaldehyde	0.022	0.027	0.098
	Antimony (and compounds)	0.127	0.153	0.558
	Arsenic (and compounds)	0.087	0.105	0.400
	Barium (and compounds)	0.306	0.367	1.338
	Benzene	0.007	0.008	0.031
	Beryllium (Table 51.1)	0.013	0.016	0.058
	Cadmium (and compounds)	0.033	0.040	0.150
	Chlorinated Dibenzo-P-Dioxins	<0.00000001	<0.00000001	<0.00000001
	Chlorinated dibenzofurans	<0.00000001	<0.00000001	<0.00000001
	Chromium VI (and compounds)	0.668	1.042	3.800
	Cobalt compounds	0.291	0.349	1.275
	Copper (and compounds)	0.524	0.629	2.294
	Dichlorobenzene	0.004	0.005	0.017
	Ethyl benzene	0.002	0.002	0.007
	Formaldehyde	0.812	0.974	3.556
	Hydrochloric acid	8.633	10.360	37.800
	Hydrofluoric acid	0.412	0.495	1.810
	Lead compounds	0.289	0.346	1.264
	Manganese (and compounds)	0.073	0.087	0.320
	Mercury (and compounds)	0.010	0.012	0.045
	Naphthalene	0.028	0.033	0.120

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 2432 - CLECO Power LLC - Teche Power Station****Activity Number: PER20080001****Permit Number: 2660-00007-V1****Air - Title V Regular Permit Minor Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0003 3-06	Nickel (and compounds)	6.111	7.333	26.800
	Polynuclear Aromatic Hydrocarbons	0.110	0.133	0.484
	Selenium (and compounds)	0.077	0.092	0.336
	Toluene	0.153	0.183	0.668
	Zinc (and compounds)	0.706	0.847	3.090
	n-Hexane	5.991	7.189	26.241
EQT 0013 E-01	1,3-Butadiene	<0.001	<0.001	<0.001
	Acetaldehyde	0.003	0.004	<0.001
	Acrolein	<0.001	<0.001	<0.001
	Benzene	0.004	0.005	<0.001
	Formaldehyde	0.005	0.006	0.001
	Naphthalene	<0.001	<0.001	<0.001
	Propylene	0.011	0.013	<0.001
	Toluene	0.002	0.002	<0.001
	Xylene (mixed isomers)	0.001	0.001	<0.001
EQT 0014 CT-01	1,3-Butadiene	<0.001	<0.001	<0.001
	Acetaldehyde	0.019	0.026	0.023
	Acrolein	0.003	0.004	0.004
	Benzene	0.006	0.008	0.007
	Ethyl benzene	0.015	0.021	0.018
	Formaldehyde	0.342	0.466	0.402
	Naphthalene	0.001	0.001	0.001
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.001
	Propylene oxide	0.014	0.019	0.016
	Toluene	0.063	0.085	0.074
UNF 0001 UNF001	Xylene (mixed isomers)	0.031	0.042	0.036
	1,1,1-Trichloroethane			0.025
	Acetaldehyde			0.121
	Antimony (and compounds)			0.558
	Arsenic (and compounds)			0.401
	Barium (and compounds)			1.353
	Benzene			0.045
	Beryllium (Table 51.1)			0.058

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station

Activity Number: PER20080001

Permit Number: 2660-00007-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 UNF001	Cadmium (and compounds)			0.154
	Chlorinated Dibenzo-P-Dioxins			<0.00000001
	Chlorinated dibenzofurans			<0.00000001
	Chromium VI (and compounds)			3.805
	Cobalt compounds			1.275
	Copper (and compounds)			2.297
	Dichlorobenzene			0.021
	Ethyl benzene			0.025
	Formaldehyde			4.579
	Hydrochloric acid			37.800
	Hydrofluoric acid			1.810
	Lead compounds			1.266
	Manganese (and compounds)			0.322
	Mercury (and compounds)			0.046
	Naphthalene			0.123
	Nickel (and compounds)			26.809
	Polynuclear Aromatic Hydrocarbons			0.488
	Selenium (and compounds)			0.336
	Toluene			0.778
	Zinc (and compounds)			3.191
	n-Hexane			32.533

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-00007-V1
 Air - Title V Regular Permit Minor Mod

EQT 0001 1-96 - Unit 1 Boiler

1 [LAC 33:II.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

2 [LAC 33:II.1313.C]

3 [LAC 33:II.501.C.6]

4 [LAC 33:II.507.H.1.a]

5 [LAC 33:II.507.H.1.a]

6 [LAC 33:II.507.H.1.a]

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Permittee shall fire only natural gas in this boiler.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of [100% equivalent H₂SO₄] was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed.

For any boiler not previously subject to this requirement, and for which any preceding test was performed more than five and one half years ago, the stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:II.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. This test shall not be required in the event that the operating time of this unit does not exceed 720 hours per calendar year. Permittee shall monitor and record the operating time of this unit to show compliance with this specific condition. Records shall be kept onsite for two years and made available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0002 2-96 - Unit 2 Boiler

7 [LAC 33:II.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified

8 [LAC 33:II.1313.C]

9 [LAC 33:II.501.C.6]

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Permittee shall fire only natural gas in this boiler.

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-00007-V1
 Air - Title V Regular Permit Minor Mod

EQT 0002 2-96 - Unit 2 Boiler

10 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed. For any boiler not previously subject to this requirement, and for which any preceding test was performed more than five and one half years ago, the test must be performed within 180 days after the issuance of this permit modification. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. A stack test shall not be required for nitrogen oxides because this unit is equipped with a nitrogen oxides continuous emissions monitoring system (CEMS). As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. This is a one time performance/emissions testing requirement, but LDEQ reserves the right to require future tests.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

EQT 0003 3-96 - Unit 3 Boiler

13 [40 CFR 75.10(e)(4)]

Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. This condition shall apply when this boiler fires fuel oil in excess of the amounts allowed to maintain qualification as a gas fired unit as defined in 40 CFR 72.2. [40 CFR 75.10(a)(4)]

Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. This condition shall apply when this boiler fires fuel oil in excess of the amounts allowed to maintain qualification as a gas fired unit as defined in 40 CFR 72.2. [40 CFR 75.14(a)]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies when using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies when using sweet natural gas as fuel).

16 [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

17 [LAC 33:III.1503.C]

Sulfur dioxide <= 2000 ppmv at standard conditions.

Which Months: All Year Statistical Basis: Three-hour average

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-00007-V1
 Air - Title V Regular Permit Minor Mod

EQT 0003 3-96 - Unit 3 Boiler

- 18 [LAC 33:III.1503.D.1] Determine sulfur dioxide concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined to be compliance with this specific condition except for the initial compliance determination.
- 19 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 20 [LAC 33:III.1513] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15.
- 21 [LAC 33:III.1513] Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927.
- 22 [LAC 33:III.501.C.6] Permittee shall fire only natural gas, no. 2 fuel oil, and no. 4 fuel oil in this boiler in any combination.
- 23 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 24 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed. For any boiler not previously subject to this requirement, and for which any preceding test was performed more than five and one half years ago, the test must be performed within 180 days after the issuance of this permit modification. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. These tests will only be required in the event that the operating time of this unit exceeds 720 hours in any calendar year in the previous five years. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. A stack test shall not be required for nitrogen oxides because this unit is equipped with a nitrogen oxides continuous emissions monitoring system (CEMS). Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 25 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 26 [LAC 33:III.1101.B] Opacity <= 20 percent, except during equipment changes which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified

EQT 0013 E-01 - Black Start Engine

- 26 [LAC 33:III.1101.B]
- TP030147
- Page 3 of 8

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
Activity Number: PER20080001
Permit Number: 2860-000007-V1
Alt - Title V Regular Permit Minor Mod

EQT 0013 EQT-01 - Black Start Engine

- 27 [LAC 33:III.13.11.C]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average.
 Operating time monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
- 28 [LAC 33:III.507.H.1.a]
 Submit report: Due annually, by the 31st of March. Report the total operating hours for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III.535.
- 29 [LAC 33:III.507.H.1.a]
 Total Operating Hours recordkeeping by electronic or hard copy continuously. Keep records of the total operating hours for EQT013 each month, as well as the total operating hours for EQT013 for each calendar year. Make records available for inspection by DEQ personnel.
- 30 [LAC 33:III.507.H.1.a]
 Total Operating Hours >50 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the operating hours for EQT013 exceeds the maximum listed in this specific condition for any calendar year.

EQT 0014 CT-01 - Black Start Turbine

- 32 [40 CFR 60.4320(a)]
 Nitrogen oxides <= 42 ppm @ 15%O₂. Subpart KKKK. [40 CFR 60.4320(a)]
- 33 [40 CFR 60.4333(a)]
 Which Months: All Year Statistical Basis: Hourly average
 Operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. Subpart KKKK. [40 CFR 60.4333(a)]
- 34 [40 CFR 60.4340(a)]
 Demonstrate continuous compliance for NOx by performing annual performance tests in accordance with 40 CFR 60.4400. Subpart KKKK. [40 CFR 60.4340(a)]
- 35 [40 CFR 60.4360]
 Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as provided in 40 CFR 60.4365. Monitor the total sulfur content of the fuel being fired in the turbine using the total sulfur methods described in 40 CFR 60.4415 at the frequency specified in 40 CFR 60.4370. Subpart KKKK.
- 36 [40 CFR 60.4365]
 Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide <= 0.060 lb/MMBTU (26 ng/J). Use one of the sources of information specified in 40 CFR 60.4365(a) and (b) to make the required demonstration. Subpart KKKK.
 Which Months: All Year Statistical Basis: None specified
- 37 [40 CFR 60.4375(b)]
 Submit performance test results. Due in writing before the close of business on the 60th day following the completion of the performance test. Subpart KKKK. [40 CFR 60.4375(b)]
- 38 [40 CFR 60.4410]
 Equipment/operational data recordkeeping by electronic or hard copy continuously during each run of the initial performance test. Record the appropriate parameters during each run of the initial performance test, to establish acceptable operating ranges, for purposes of the parameter monitoring plan for the affected unit, as specified in 40 CFR 60.4355. Subpart KKKK.
- 39 [40 CFR 60.4415]
 Conduct performance tests for sulfur initially as required in 40 CFR 60.8 and annually thereafter. Use one of the methodologies specified in 40 CFR 60.4415(a)(1) through (a)(3). Subpart KKKK.

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
Activity Number: PER20080001
Permit Number: 2660-00007-V1
Air - Title V Regular Permit Minor Mod

EQT 0014 CT-01 - Black Start Turbine

- 40 [LAC 33:III.1101.B] Opacity <= 20 percent, except during equipment changes which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 41 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 42 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: Six-minute average
 Operating time monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
- 43 [LAC 33:III.507.H.1.a] Submit report: Due annually, by the 31st of March. Report the total operating hours for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III.535.
- 44 [LAC 33:III.507.H.1.a] Total Operating Hours recordkeeping by electronic or hard copy continuously. Keep records of the total operating hours for EQT014 each month, as well as the total operating hours for EQT014 for each calendar year. Make records available for inspection by DEQ personnel.
- 45 [LAC 33:III.507.H.1.a] Total Operating Hours <2,500 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the operating hours for EQT014 exceeds the maximum listed in this specific condition for any calendar year.

GRP 0004 - Acid Rain Requirements

Group Member: EQT 0002 EQT 0003

- 46 [40 CFR 75.100(a)(2)] To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]
- 47 [40 CFR 75.10(a)(3)] Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.13 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(3)]
- 48 [40 CFR 75.10(b)] The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MM Btu for NOX). [40 CFR 75.10(b)]

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
 Activity Number: PER20080001
 Permit Number: 2660-00007-V1
 Air - Title V Regular Permit Minor Mod

GRP 0004 - Acid Rain Requirements

- 49 [40 CFR 75.10(b)]
 The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]. [40 CFR 75.10(b)]
- The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]
- The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]
- The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)]
- Measure and record SO2 emissions by providing information satisfactory to the Administrator using the applicable procedures specified in appendix D to 40 CFR 75 for estimating hourly SO2 mass emissions. [40 CFR 75.11(d)(2)]
- Comply with the applicable provisions of Subpart C—Operation and Maintenance Requirements, Subpart D—Missing Data Substitution Procedures, Subpart F—Recordkeeping Requirements, and Subpart G—Reporting Requirements.
- An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]
- The owners and operators shall hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [LAC 33:III.505, 40 CFR 72.9(c)(1)]
- Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]
- The owners and operators of an affected unit that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]
- The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33:III.505, 40 CFR 72.9(a)(1)]
- The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [LAC 33:III.505, 40 CFR 72.9(I)(2)]
- Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [LAC 33:III.505, 40 CFR 72.9(X)(2)]

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
Activity Number: PER20080001
Permit Number: 2860-00007-V1
Air - Title V Regular Permit Minor Mod

GRP 0004 - Acid Rain Requirements

- 62 [LAC 33:III.505]
 Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.
- 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
 - 2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - 3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
 - 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [LAC 33:III.505, 40 CFR 72.9(f)(1)]
- The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]

UNF 0001 UNF001 - Teche Power Station

- All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 64 [40 CFR 60]
 Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 65 [40 CFR 70.5(a)(1)(iii)]
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 66 [40 CFR 70.6(a)(3)(iii)(A)]
 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 67 [40 CFR 70.6(a)(3)(iii)(B)]
 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 68 [40 CFR 70.6(c)(5)(iv)]
 CLECO Corporation's Teche Power Station shall secure one allowance for each ton of SO2 emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Teche Power Station's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]
- 69 [40 CFR 72.9(c)(1)(i)]

SPECIFIC REQUIREMENTS

AI ID: 2432 - CLECO Power LLC - Teche Power Station
Activity Number: PER20080001
Permit Number: 2660-00007-V1
Air - Title V Regular Permit Minor Mod

UNF 0001 UNF001 - Teche Power Station

- 70 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 71 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 72 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A-1-5.
- 73 [LAC 33:III.2129] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 74 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 75 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 76 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 77 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 78 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 79 [LAC 33:III.919.D] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.